

✓

L1 ANSWER 33 OF 72 CA COPYRIGHT 2004 ACS on STN  
AN 103:92043 CA  
ED Entered STN: 22 Sep 1985  
TI Heat-resistant expansive sheets  
PA Toyota Motor Co., Ltd., Japan; Ibiden Co., Ltd.  
SO Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese  
IC ICM C04B030-02  
ICS D21J001-00  
CC 57-9 (Ceramics)  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 60071564	A2	19850423	JP 1983-179402	19830929
	JP 04028665	B4	19920514		
PRAI	JP 1983-179402		19830929		

AB The heat-resistant expansive sheets consist of unfired **unexpanded vermiculite** 40-80, floc-like inorg. fibers 10-50, and natural org. fibers 2-20 wt.%. Thus, **unexpanded vermiculite** 210 and Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> ceramic fibers 105 g were mixed with 30 L water and 200 mL aq. 0.1% coagulant soln., stirred with 10 L of an aq. soln. contg. 30 g kraft pulp, shaped and pressed to give a sheet (45 .times. 20 .times. 0.5 mm) having d. 0.6 g/cm<sup>3</sup> when it was heated from room temp. to 700.degree., the expansion was 310%.

ST vermiculite ceramic fiber expansive sheet; kraft pulp vermiculite expansive sheet

IT Ceramic materials and wares  
(fiber, alumina-silica, expansive sheets from vermiculite and pulp and)

IT Pulp, cellulose  
(kraft, sheets from ceramic fibers and ve